

14237800 MAYFIELD RESERVOIR NEAR SILVER CREEK, WA

Lower Columbia Basin
Lower Cowlitz Subbasin

LOCATION.--Lat 46°30'13", long 122°35'11" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.20, T.12 N., R.2 E., Lewis County, WA, Hydrologic Unit 17080005, on right bank at Mayfield Dam on Cowlitz River, 0.3 mi downstream from Silver Creek, 4 mi south of town of Silver Creek, and at mile 52.0.

DRAINAGE AREA.--1,392 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Mar. 5, 1963, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete arch dam, completed April 1962; storage began Apr. 14, 1962. Usable capacity, 21,380 acre-ft between elevation 415 ft, lower limit of operation, and 425 ft, top of taintor gates. Dead storage below elevation 415 ft, 112,340 acre-ft. Crest of spillway is at elevation 385 ft. Water is used by City of Tacoma for power generation. Figures given herein represent total contents. Capacity table furnished by City of Tacoma. Chemical analyses December 1973 to September 1983 (samples were taken near the dam).

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 134,850 acre-ft, Dec. 9, 1971, elevation, 425.50 ft; minimum contents since normal operating level was attained, 112,830 acre-ft, June 4, 1969, elevation, 415.24 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 133,119 acre-ft, May 25, elevation, 424.73 ft; minimum contents, 119,979 acre-ft, May 14, elevation, 418.69 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	423.57	130,524	--
October 31	424.29	132,128	+1,604
November 30	420.97	124,837	-7,291
December 31	421.36	125,682	+845
Calendar Year 2006	--	--	-2,268
January 31	424.08	131,656	+5,974
February 28	423.77	130,971	-685
March 31	423.73	130,879	-92
April 30	422.54	128,254	-2,625
May 31	422.65	128,495	+241
June 30	424.22	131,974	+3,479
July 31	423.05	129,370	-2,604
August 31	423.06	129,392	+22
September 30	422.70	128,610	-782
Water Year 2007	--	--	-1,914